

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

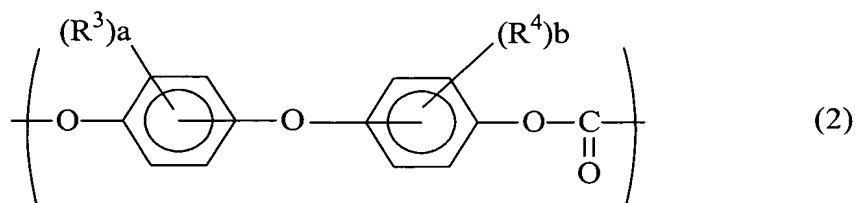
Claims 1-16 (Canceled).

Claim 17 (Currently Amended): An electrophotographic photoconductor,
comprising:

an electroconductive support, and

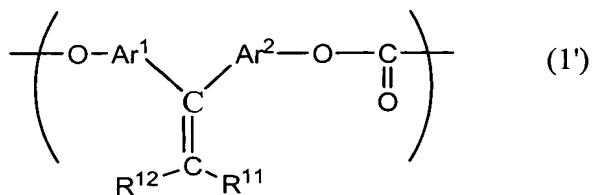
a photoconductive layer formed thereon comprising as an effective component an aromatic polycarbonate resin consisting essentially of a structural unit of formula (2) and a structural unit with charge transporting properties,

wherein an amount of said structural unit of formula (2) is 58 to 60 mole percent and an amount of said charge transporting unit is 40 to 42 mole percent based on a total weight of said polycarbonate resin:



wherein a and b are each independently an integer of 1 to 4; and R³ and R⁴ are each independently a halogen atom, an alkyl group having 1 to 6 carbon atoms, which may have a substituent, an alkoxy group having 1 to 6 carbon atoms, which may have a substituent, or an aryl group which may have a substituent, and R³ and R⁴ may each be the same or different when a and b are each an integer of 2, 3 or 4;

wherein said structural unit with charge transporting properties is represented by formula (1'):



wherein R¹¹ is a hydrogen atom, an alkyl group which may have a substituent, or an aryl group which may have a substituent; Ar¹ and Ar² are each an arylene group which may have a substituent; and R¹² is an aryl group which may have a substituent.

Claims 18-30 (Canceled).

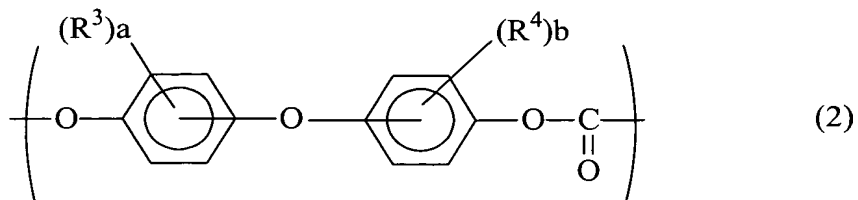
Claim 31 (Currently Amended): An electrophotographic image forming apparatus, comprising:

an electrophotographic photoconductor capable of forming a latent electrostatic image thereon,

charging means for charging the surface of said photoconductor,

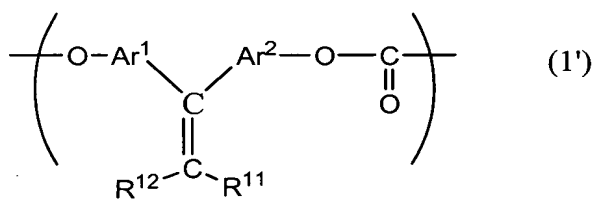
light exposure means for exposing the charged surface of said photoconductor to a light image corresponding to an original image to be reproduced, thereby forming a latent electrostatic image on said photoconductor, development means for developing said latent electrostatic image to a visible image, image transfer means for transferring said visible image to an image receiving member, cleaning means for cleaning the surface of said photoconductor, and quenching means for quenching the residual potential on the surface of said photoconductor, wherein said electrophotographic photoconductor comprises an electroconductive support, and a photoconductive layer formed thereon comprising as an effective component an aromatic polycarbonate resin consisting essentially of a structural

unit of formula (2) and a structural unit with charge transporting properties, wherein an amount of said structural unit of formula (2) is 58 to 60 mole percent and an amount of said charge transporting unit is 40 to 42 mole percent based on a total weight of said polycarbonate resin:



wherein a and b are each independently an integer of 1 to 4; and R^3 and R^4 are each independently a halogen atom, an alkyl group having 1 to 6 carbon atoms, which may have a substituent, an alkoxy group having 1 to 6 carbon atoms, which may have a substituent, or an aryl group which may have a substituent, and R^3 and R^4 may each be the same or different when a and b are each an integer of 2, 3 or 4;

wherein said structural unit with charge transporting properties is represented by formula (1'):

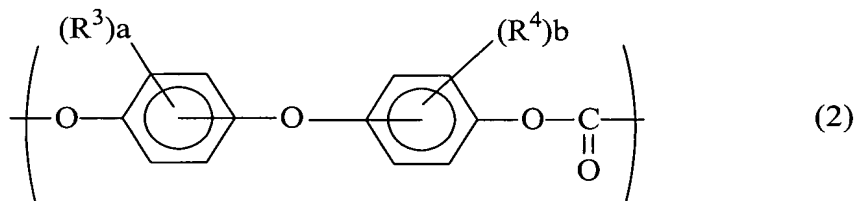


wherein R^{11} is a hydrogen atom, an alkyl group which may have a substituent, or an aryl group which may have a substituent; Ar^1 and Ar^2 are each an arylene group which may have a substituent; and R^{12} is an aryl group which may have a substituent.

Claims 32-36 (Canceled).

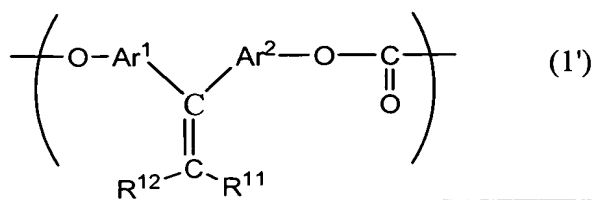
Claim 37 (Currently Amended): An electrophotographic process cartridge,
comprising:

an electrophotographic photoconductor capable of forming a latent electrostatic image thereon, and at least one of a charging unit, a light exposing unit, a development unit, an image transfer unit, a cleaning unit, or a quenching unit, wherein said photoconductor comprises an electroconductive support, and a photoconductive layer formed thereon comprising as an effective component an aromatic polycarbonate resin consisting essentially of a structural unit of formula (2) and a structural unit with charge transporting properties, ~~each of said structural units being contained in an amount of 5 wt.% or more of wherein an~~ amount of said structural unit of formula (2) is 58 to 60 mole percent and an amount of said charge transporting unit is 40 to 42 mole percent based on the total weight of said polycarbonate resin:



wherein a and b are each independently an integer of 1 to 4; and R³ and R⁴ are each independently a halogen atom, an alkyl group having 1 to 6 carbon atoms, which may have a substituent, an alkoxyl group having 1 to 6 carbon atoms, which may have a substituent, or an aryl group which may have a substituent, and R³ and R⁴ may each be the same or different when a and b are each an integer of 2, 3 or 4;

wherein said structural unit with charge transporting properties is represented by formula (1'):



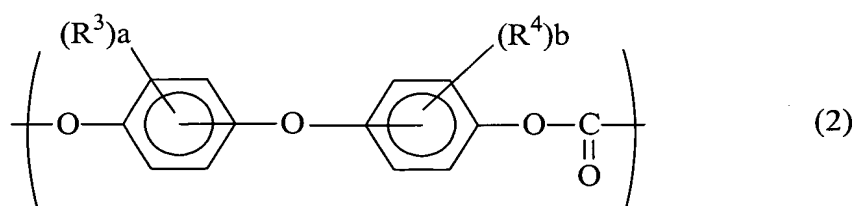
wherein R^{11} is a hydrogen atom, an alkyl group which may have a substituent, or an aryl group which may have a substituent; Ar^1 and Ar^2 are each an arylene group which may have a substituent; and R^{12} is an aryl group which may have a substituent.

Claims 38-42 (Canceled):

Claim 43 (New): An electrophotographic photoconductor, comprising:

an electroconductive support, and

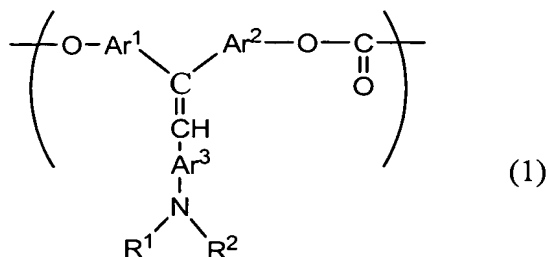
a photoconductive layer formed thereon comprising as an effective component an aromatic polycarbonate resin consisting essentially of a structural unit of formula (2) and a structural unit with charge transporting properties, wherein an amount of said structural unit of formula (2) is 58 to 60 mole percent and an amount of said charge transporting unit is 40 to 42 mole percent based on said polycarbonate resin:



wherein a and b are each independently an integer of 1 to 4; and R^3 and R^4 are each independently a halogen atom, an alkyl group having 1 to 6 carbon atoms, which may have a substituent, an alkoxyl group having 1 to 6 carbon atoms, which may have a substituent, or an

aryl group which may have a substituent, and R^3 and R^4 may each be the same or different when a and b are each an integer of 2, 3 or 4;

wherein said structural unit with charge transporting properties is represented by formula (1):



wherein R^1 and R^2 , which may be the same or different, are each an acyl group, an alkyl group having 1 to 6 carbon atoms which may have a substituent, or an aryl group which may have a substituent; and Ar^1 , Ar^2 , and Ar^3 are each a substituted or unsubstituted arylene group.

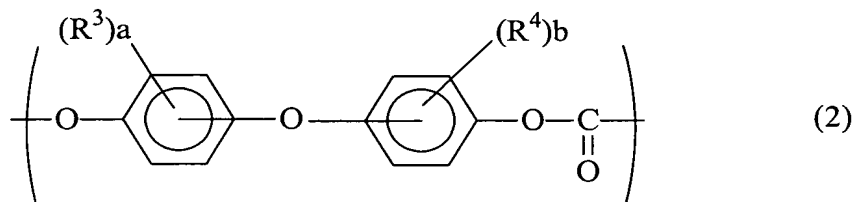
Claim 44 (New): An electrophotographic image forming apparatus, comprising:

an electrophotographic photoconductor capable of forming a latent electrostatic image thereon,

charging means for charging the surface of said photoconductor,

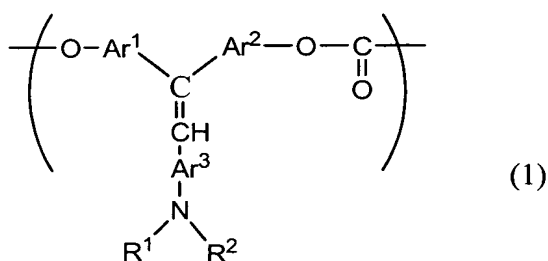
light exposure means for exposing the charged surface of said photoconductor to a light image corresponding to an original image to be reproduced, thereby forming a latent electrostatic image on said photoconductor, development means for developing said latent electrostatic image to a visible image, image transfer means for transferring said visible image to an image receiving member, cleaning means for cleaning the surface of said photoconductor, and quenching means for quenching the residual potential on the surface of said photoconductor, wherein said electrophotographic photoconductor comprises an electroconductive support, and a photoconductive layer formed thereon comprising as an

effective component an aromatic polycarbonate resin consisting essentially of a structural unit of formula (2) and a structural unit with charge transporting properties, wherein an amount of said structural unit of formula (2) is 58 to 60 mole percent and an amount of said charge transporting unit is 40 to 42 mole percent based on said polycarbonate resin:



wherein a and b are each independently an integer of 1 to 4; and R^3 and R^4 are each independently a halogen atom, an alkyl group having 1 to 6 carbon atoms, which may have a substituent, an alkoxyl group having 1 to 6 carbon atoms, which may have a substituent, or an aryl group which may have a substituent, and R^3 and R^4 may each be the same or different when a and b are each an integer of 2, 3 or 4;

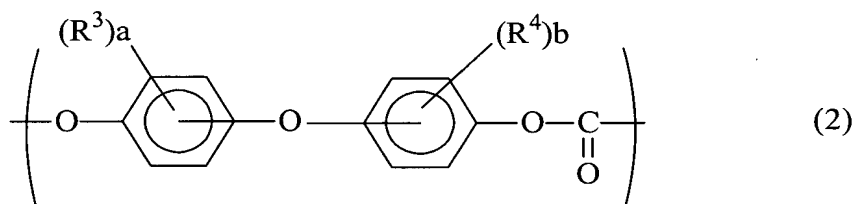
wherein said structural unit with charge transporting properties is represented by formula (1):



wherein R^1 and R^2 , which may be the same or different, are each an acyl group, an alkyl group having 1 to 6 carbon atoms which may have a substituent, or an aryl group which may have a substituent; and Ar^1 , Ar^2 , and Ar^3 are each a substituted or unsubstituted arylene group.

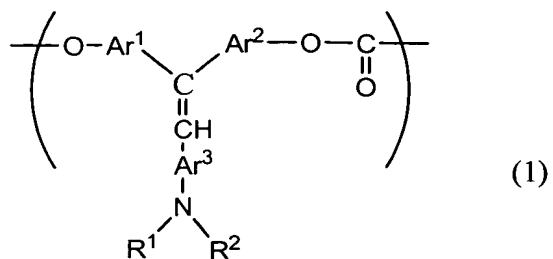
Claim 45 (New): An electrophotographic process cartridge, comprising:

an electrophotographic photoconductor capable of forming a latent electrostatic image thereon, and at least one of a charging unit, a light exposing unit, a development unit, an image transfer unit, a cleaning unit, or a quenching unit, wherein said photoconductor comprises an electroconductive support, and a photoconductive layer formed thereon comprising as an effective component an aromatic polycarbonate resin consisting essentially of a structural unit of formula (2) and a structural unit with charge transporting properties, wherein an amount of said structural unit of formula (2) is 58 to 60 mole percent and an amount of said charge transporting unit is 40 to 42 mole percent based on said polycarbonate resin:



wherein a and b are each independently an integer of 1 to 4; and R^3 and R^4 are each independently a halogen atom, an alkyl group having 1 to 6 carbon atoms, which may have a substituent, an alkoxy group having 1 to 6 carbon atoms, which may have a substituent, or an aryl group which may have a substituent, and R^3 and R^4 may each be the same or different when a and b are each an integer of 2, 3 or 4;

wherein said structural unit with charge transporting properties is represented by formula (1):



wherein R^1 and R^2 , which may be the same or different, are each an acyl group, an alkyl group having 1 to 6 carbon atoms which may have a substituent, or an aryl group which may have a substituent; and Ar^1 , Ar^2 , and Ar^3 are each a substituted or unsubstituted arylene group.

BASIS FOR THE AMENDMENT

Claims 18-20, 22, 23, 32, 33, 35, 38, 39 and 41 have been canceled.

The limitations of Claim 19 have been included in Claim 17. The limitations of Claim 33 have been included in Claim 31. The limitation of Claim 39 has been included in Claim 37. Amended Claim 37 is further supported by resins 1, 3 and 4 in the Examples of the specification.

Claims 43-45 have been added.

New Claim 43 is supported by Claims 17 and 22 as originally filed.

New Claim 44 is supported by Claims 31 and 35 as originally filed.

No new matter is believed to have been added by entry of this amendment. Entry and favorable reconsideration are respectfully requested.

Upon entry of this amendment Claims 17, 31, 37 and 43-45 will now be active in this application.

INTERVIEW SUMMARY

Applicants wish to thank Examiner Rodee for the helpful and courteous discussion with Applicants' Representative on February 18, 2004. During this discussion it was noted that the mole percents in the independent claims should refer to the polycarbonate resin. According to the Examiner, this may overcome the rejections as being indefinite.